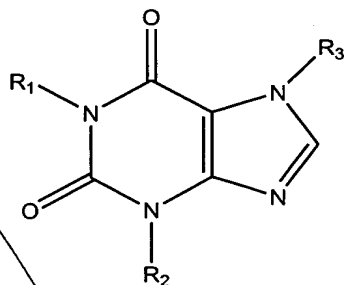
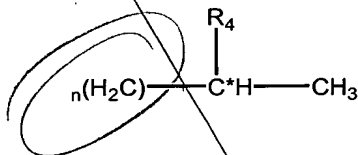


or a structure according to formula I:



wherein R_1 has the formula II:



R_2 and R_3 are independently $C_{(1-12)}$ alkyl, optionally, R_2 having one or two nonadjacent carbon atoms of the $C_{(1-12)}$ alkyl being replaced by an oxygen atom; and wherein:

C^* is a chiral carbon atom;

n is four;

R_4 is a naturally occurring amino acid or a carbohydrate-moiety attached by an oxygen atom to the chiral carbon atom C^* by an ester linkage, $[-O-X-(R_7)_2]$ $-O-X-(R_5)H$ or $-O-X-(R_5)_m$; m being two or three and X being selected from the group consisting of C, P or S; [wherein R_7 is a member independently selected from the group consisting of Group Q, hydrogen, and dimethylamino, wherein when one R_7 is dimethylamino, the other R_7 is $=O$, n is 4, X is C and R_2 and R_3 are both methyl, and] wherein R_5 is a member independently selected from Group Q, and

Group Q consists of:

hydroxyl group;

$=O$;

substituted or unsubstituted $C_{(3-10)}$ alkyl, $C_{(2-10)}$ alkenyl, $C_{(2-10)}$ alkynyl, $C_{(1-10)}$ alkoxyl, $C_{(1-10)}$ oxoalkyl, $C_{(1-10)}$ carboxyalkyl, $C_{(1-10)}$ hydroxyalkyl, or substituted $C_{(1-2)}$ alkyl group;

-OR₆, R₆ being a substituted or unsubstituted C₍₁₋₁₀₎ alkyl, C₍₂₋₁₀₎ alkenyl, C₍₂₋₁₀₎ alkynyl, or C₍₁₋₁₀₎ oxoalkyl;

substituted or unsubstituted heterocyclic group, attached to X through an atom within the ring, having one or two rings, each ring containing from four to seven atoms, wherein the heteroatom(s) of said heterocyclic group is 1 or 2 nitrogens; and

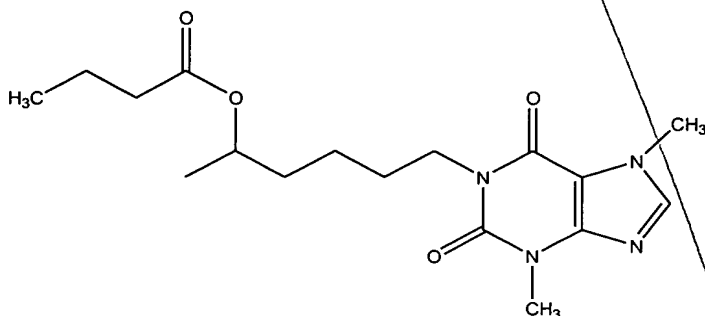
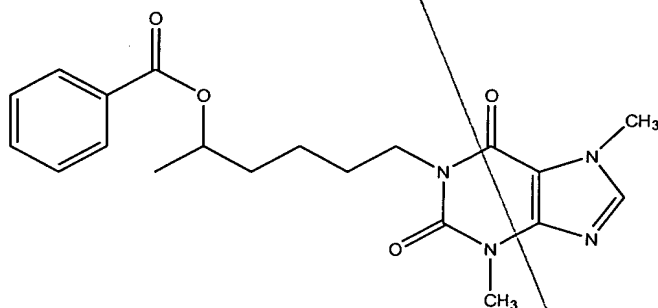
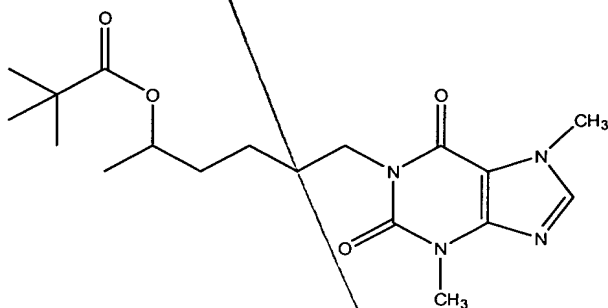
substituted or unsubstituted carbocyclic group that is attached to X through a carbon atom within a ring, having one or two rings, each ring containing four to seven atoms, wherein the substituents of said substituted carbocyclic group are selected from the group consisting of amino, C₍₂₋₆₎ alkenyl, C₍₁₋₆₎ alkyl, C₍₁₋₆₎ alkoxy, C₍₁₋₆₎ hydroxyalkyl, hydroxyl, C₍₁₋₆₎ oxoalkyl, azido, carboxy, cyano, C₍₂₋₆₎ mono- or di-haloalkyl, isocyano, isothiocyano, **[alkylphospho, alkylphosphono, alkylsulfoxy,]** imino, **[alkylthio,]** a chlorine atom, a bromine atom, a fluorine atom and an oxygen atom.

6. (Four Times Amended) The compound of claim 1, wherein substituents for the substituted C₍₁₋₁₀₎ alkyl, C₍₂₋₁₀₎ alkenyl, C₍₂₋₁₀₎ alkynyl, C₍₁₋₁₀₎ alkoxy, C₍₁₋₁₀₎ oxoalkyl, or heterocyclic groups selected from the group consisting of amino, C₍₂₋₆₎ alkenyl, C₍₁₋₆₎ alkyl, C₍₁₋₆₎ alkoxy, C₍₁₋₆₎ hydroxyalkyl, C₍₁₋₆₎ oxoalkyl, azido, **[carboxy] carboxylic acid moiety**, cyano, C₍₁₋₆₎ haloalkyl, isocyano, isothiocyano, **[alkylphospho, alkylphosphono, alkylsulfoxy,]** imino, alkylthio, **mercaptoalkoxy**, or a chlorine, bromine, fluorine and oxygen atom.

10. (Four Times Amended) The compound of claim 1, wherein the **carbocyclic [cyclic]** or heterocyclic **group** is selected from the group consisting of benzyl, phenyl, biphenyl, cyclohexyl, cyclohexenyl, cyclopentyl, **[nicotinyl,]** cyclopentenyl, cyclopentanedionyl, naphthalenyl, phenolyl, quinonyl, cyclobutyl, cycloheptyl, cycloheptenyl, indanyl, indenyl, decalyl, resorcinolyl, tetralyl, α-tetralonyl, 1-indanonyl, cyclohexanedionyl, cyclopentanedionyl, dimethylxanthinyl, methylxanthinyl, phthalimidyl, homophthalimidyl, quinazolinonyl, **[octylcarboxamidophenyl,]** glutarimidyl, piperidonyl, succinimidyl, dimethoxyphenyl, methyl dihydrouracilyl, methyluracilyl, methylthyminyl, piperidinyl, dihydroxybenzenyl, methylpurinyl, methylxanthinyl and dimethylxanthinyl.

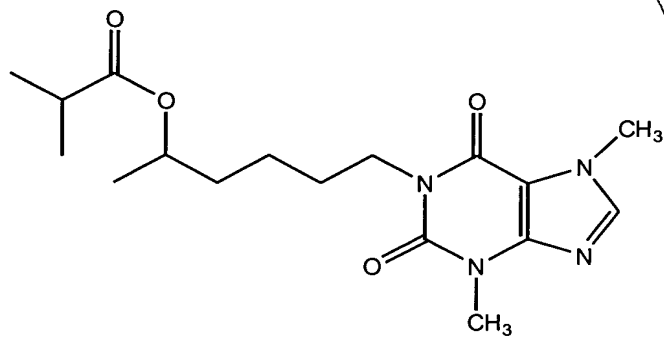
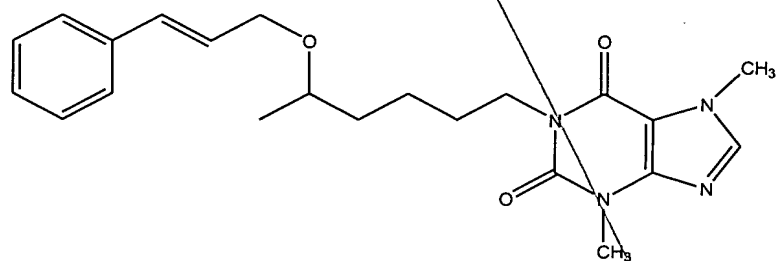
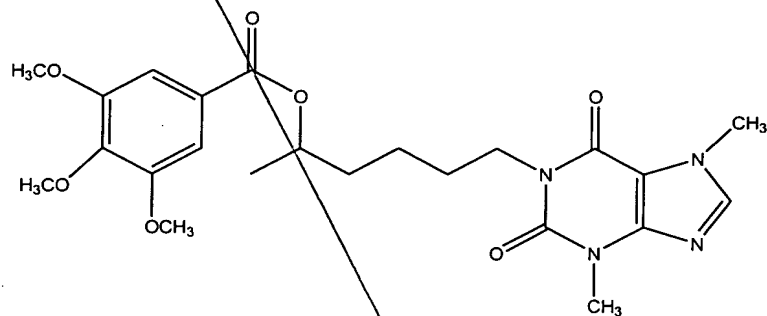
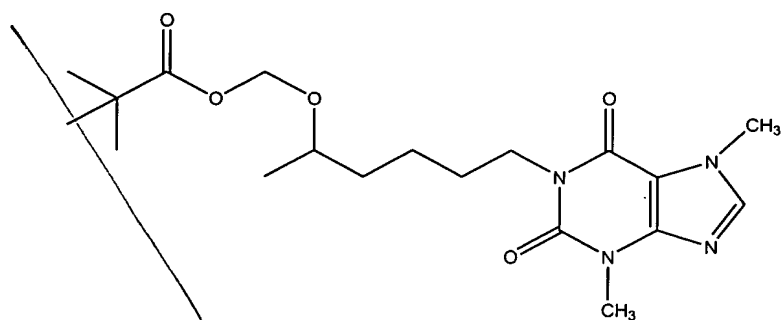
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12. (Three Times Amended) The compound of claim 11, wherein the other R₅, other than =O, is [selected from the group consisting of] trimethoxy-substituted phenyl[, and phenylamino].

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14. (Twice Amended) The compound of claim 1, wherein said compound is selected from:



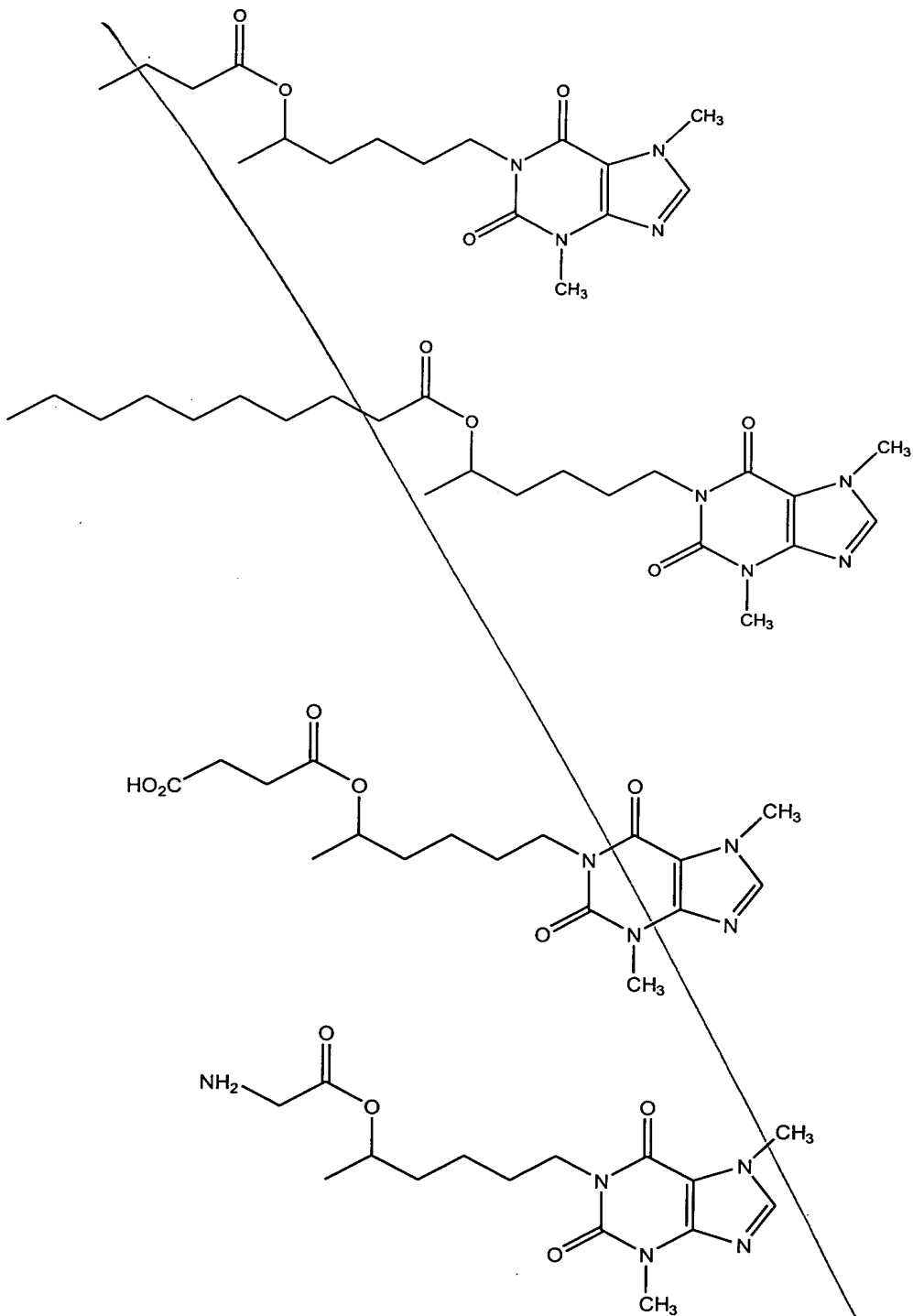
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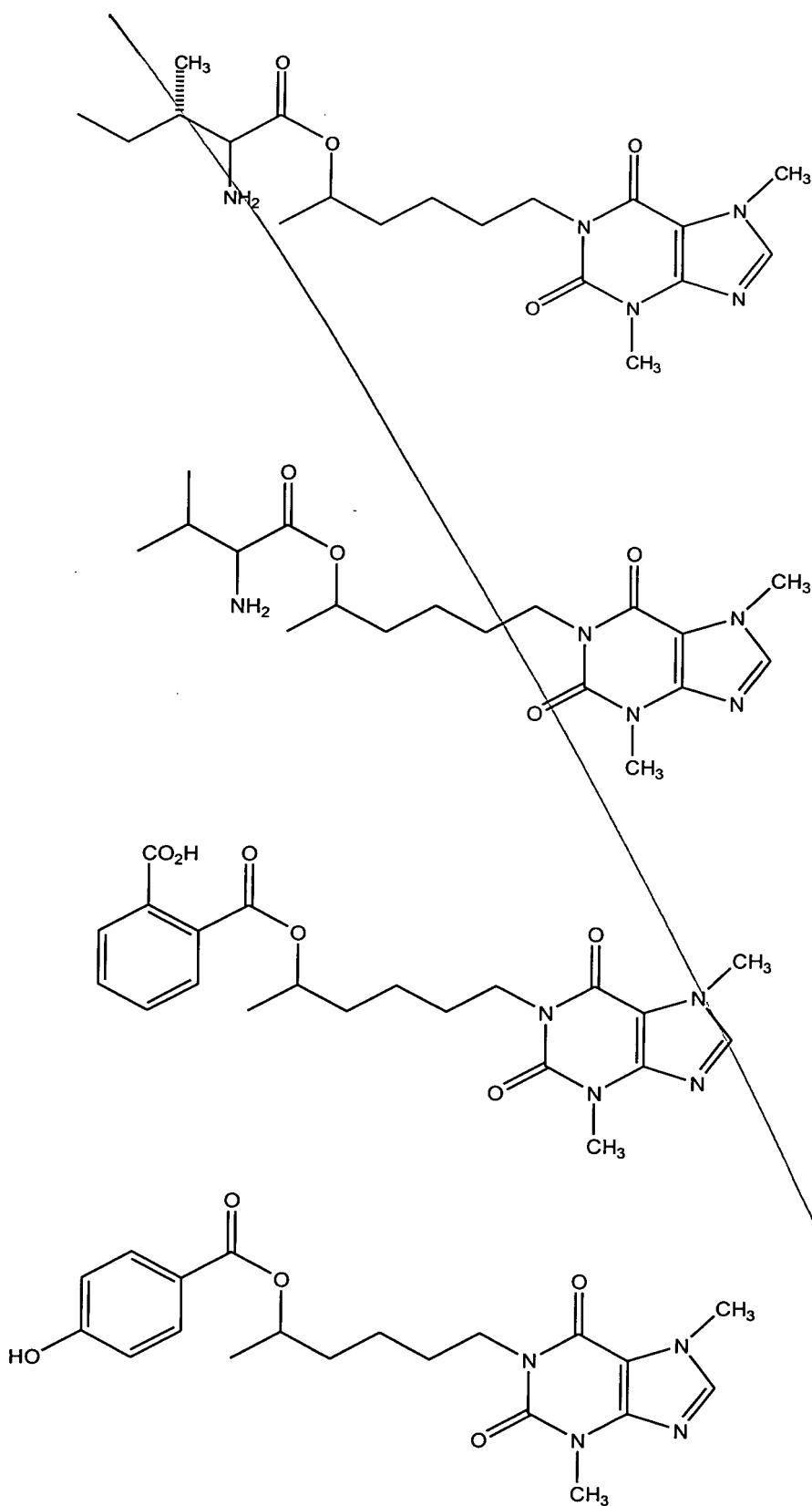
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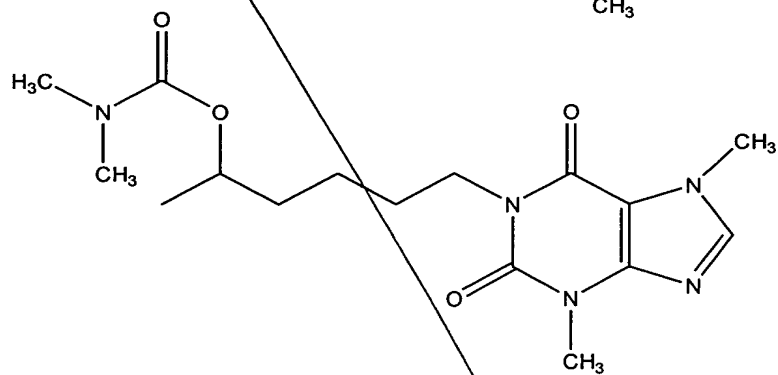
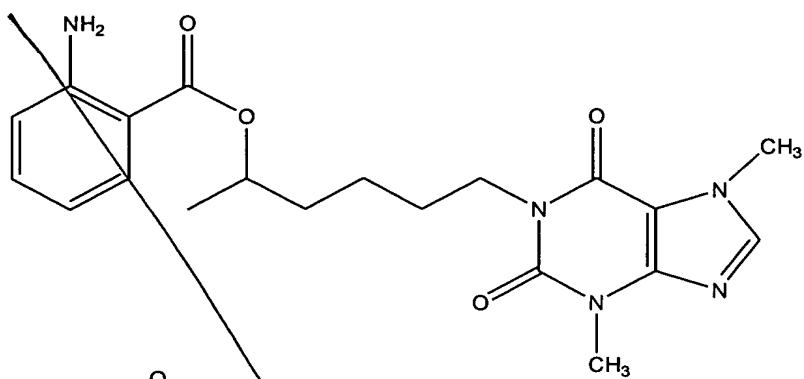


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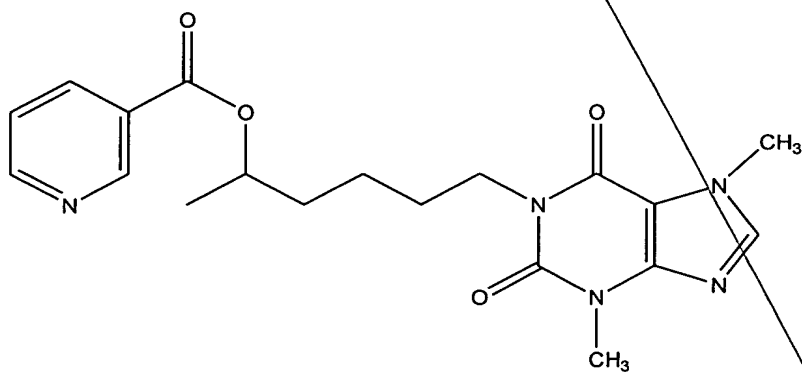
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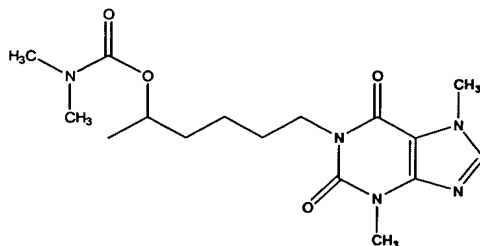
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81
cm



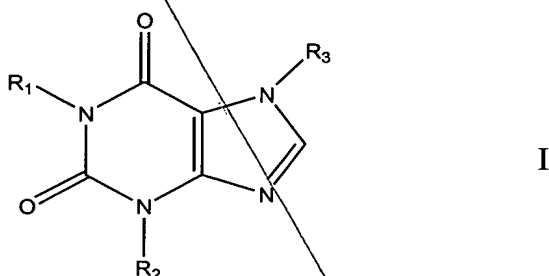
and



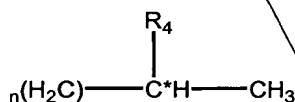
15. (Four Times Amended) A pharmaceutical composition comprising a pharmaceutically acceptable excipient or carrier and a compound having the following structure:



or a structure according to formula I:



wherein R₁ has the formula II:



R₂ and R₃ are independently C₍₁₋₁₂₎ alkyl, optionally, R₂ having one or two nonadjacent carbon atoms of the C₍₁₋₁₂₎ alkyl being replaced by an oxygen atom; and wherein:

C* is a chiral carbon atom;

n is four;

R₄ is a naturally occurring amino acid or a carbohydrate-moiety attached by an oxygen atom to the chiral carbon atom C* by an ester linkage, [-O-X-(R₇)₂] -O-X-(R₅)H or -O-X-(R₅)_m; m being two or three and X being selected from the group consisting of C, P or S; [wherein R₇ is a member independently selected from the group consisting of Group Q,

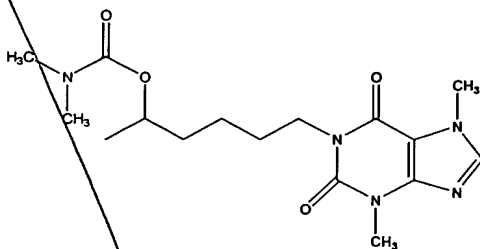
hydrogen, and dimethylamino, wherein when one R_7 is dimethylamino, the other R_7 is =O, n is 4, X is C and R_2 and R_3 are both methyl, and] wherein R_5 is a member independently selected from Group Q, and

Group Q consists of:

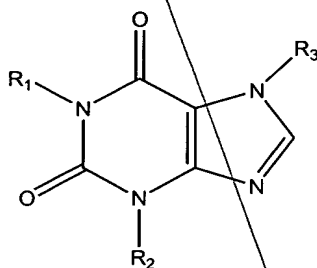
hydroxyl group;
 =O;
 substituted or unsubstituted $C_{(3-10)}$ alkyl, $C_{(2-10)}$ alkenyl, $C_{(2-10)}$ alkynyl, $C_{(1-10)}$ alkoxy, $C_{(1-10)}$ oxoalkyl, $C_{(1-10)}$ carboxyalkyl, $C_{(1-10)}$ hydroxyalkyl, or substituted $C_{(1-2)}$ alkyl group;
 -OR₆, R₆ being a substituted or unsubstituted $C_{(1-10)}$ alkyl, $C_{(2-10)}$ alkenyl, $C_{(2-10)}$ alkynyl, or $C_{(1-10)}$ oxoalkyl;
 substituted or unsubstituted heterocyclic group, attached to X through an atom within the ring, having one or two rings, each ring containing from four to seven atoms, wherein the heteroatom(s) of said heterocyclic group is 1 or 2 nitrogens; and
 substituted or unsubstituted carbocyclic group that is attached to X through a carbon atom within a ring, having one or two rings, each ring containing four to seven atoms, wherein the substituents of said substituted carbocyclic group are selected from the group consisting of amino, $C_{(2-6)}$ alkenyl, $C_{(1-6)}$ alkyl, $C_{(1-6)}$ alkoxy, $C_{(1-6)}$ hydroxyalkyl, hydroxyl, $C_{(1-6)}$ oxoalkyl, azido, carboxy, cyano, $C_{(2-6)}$ mono- or di-haloalkyl, isocyano, isothiocyano, [alkylphospho, alkylphosphono, alkylsulfoxy,] imino, [alkylthio,] a chlorine atom, a bromine atom, a fluorine atom and an oxygen atom.

18. (Amended) The pharmaceutical composition of claim 15, wherein R_5 is [selected from the group consisting of] trimethoxy-substituted phenyl[phenolyl and benzamino].

20. (Three Times Amended) A compound having the following structure:

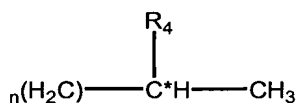


or a structure according to [of] formula I:



I

wherein R_1 or R_2 has the formula II:



R_1 or R_2 , which is other than formula II, and R_3 are independently $C_{(1-12)}$ alkyl, optionally, R_2 having one or two nonadjacent carbon atoms of the $C_{(1-12)}$ alkyl being replaced by an oxygen atom; and wherein:

C^* is a chiral carbon atom;

n is four;

R_4 is a naturally occurring amino acid or a carbohydrate-moiety attached by an oxygen atom to the chiral carbon atom C^* by an ester linkage, $[-O-X-(R_7)_2]$ $-O-X-(R_5)H$ or $-O-X-(R_5)_m$; m being two or three and X being selected from the group consisting of C, P or S; [wherein R_7 is a member independently selected from the group consisting of Group Q, hydrogen, and dimethylamino, wherein when one R_7 is dimethylamino, the other R_7 is $=O$, n is 4, X is C and R_2 and R_3 are both methyl, and] wherein R_5 is a member independently selected from Group Q, and

Group Q consists of:

hydroxyl group;

=O;

substituted or unsubstituted C₍₃₋₁₀₎ alkyl, C₍₂₋₁₀₎ alkenyl, C₍₂₋₁₀₎ alkynyl, C₍₁₋₁₀₎ alkoxy, C₍₁₋₁₀₎ oxoalkyl, C₍₁₋₁₀₎ carboxyalkyl, C₍₁₋₁₀₎ hydroxyalkyl, or substituted C₍₁₋₂₎ alkyl group;

-OR₆, R₆ being a substituted or unsubstituted C₍₁₋₁₀₎ alkyl, C₍₂₋₁₀₎ alkenyl, C₍₂₋₁₀₎ alkynyl, or C₍₁₋₁₀₎ oxoalkyl;

substituted or unsubstituted heterocyclic group, attached to X through an atom within the ring, having one or two rings, each ring containing from four to seven atoms, wherein the heteroatom(s) of said heterocyclic group is 1 or 2 nitrogens; and

substituted or unsubstituted carbocyclic group that is attached to X through a carbon atom within a ring, having one or two rings, each ring containing four to seven atoms, wherein the substituents of said substituted carbocyclic group are selected from the group consisting of amino, C₍₂₋₆₎ alkenyl, C₍₁₋₆₎ alkyl, C₍₁₋₆₎ alkoxy, C₍₁₋₆₎ hydroxyalkyl, hydroxyl, C₍₁₋₆₎ oxoalkyl, azido, carboxy, cyano, C₍₂₋₆₎ mono- or di-haloalkyl, isocyano, isothiocyano, [alkylphospho, alkylphosphono, alkylsulfoxy,] imino, [alkylthio,] a chlorine atom, a bromine atom, a fluorine atom and an oxygen atom.

21. (Amended) A compound according to claim 1, wherein R₂ and R₃ are methyl, and wherein R₆ is a

substituted or unsubstituted C₍₁₋₁₀₎ alkyl, C₍₂₋₁₀₎ alkenyl, C₍₂₋₁₀₎ alkynyl, or C₍₁₋₁₀₎ oxoalkyl;

substituted or unsubstituted heterocyclic group, attached to X through an atom within the ring, having one or two rings, each ring containing from four to seven atoms, and a single nitrogen as the heteroatom; or

substituted or unsubstituted carbocyclic group that is attached to X through a carbon atom within a ring, having one ring containing four to seven atoms, wherein the substituents of said substituted carbocyclic group are selected from the group consisting of amino, C₍₂₋₆₎ alkenyl, C₍₁₋₆₎ alkyl, C₍₁₋₆₎ alkoxy, C₍₁₋₆₎ hydroxyalkyl, hydroxyl, C₍₁₋₆₎ oxoalkyl, azido, carboxy, cyano, C₍₂₋₆₎ mono- or di-haloalkyl, isocyano, isothiocyano, imino, a chlorine atom, a bromine atom, a fluorine atom and an oxygen atom.

22. (Amended) A compound according to claim 21, wherein [one] R₇ is =O [and wherein] or wherein one R₅ is =O.

26. (Amended) A compound according to claim 25, wherein R₅ is a member independently selected from the group consisting of [a hydrogen atom; a] an hydroxyl group; =O; substituted or unsubstituted C₍₃₋₁₀₎ alkyl, C₍₂₋₁₀₎ alkenyl, C₍₂₋₁₀₎ alkynyl, C₍₁₋₁₀₎ alkoxy, C₍₁₋₁₀₎ oxoalkyl, C₍₁₋₁₀₎ carboxyalkyl, C₍₁₋₁₀₎ hydroxyalkyl; and a substituted C₍₁₋₂₎ alkyl group.

27. (Amended) A compound according to claim 26, wherein R₅ is [H,] OH or =O.